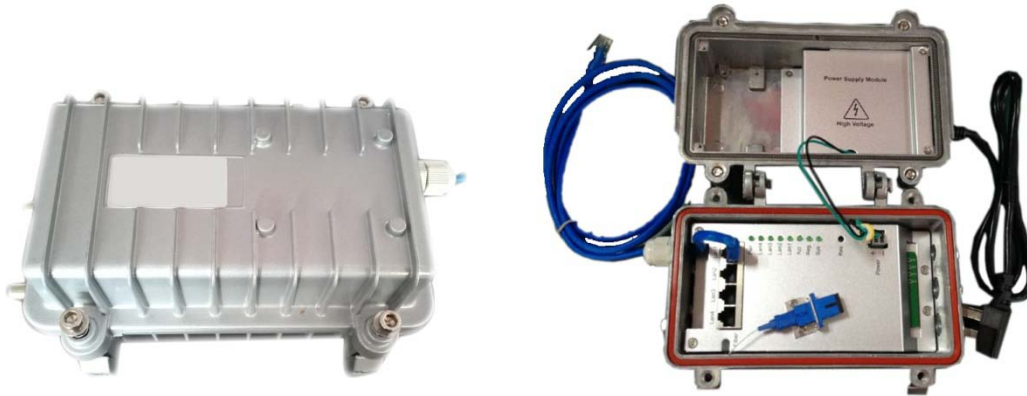


Outdoor Type ONU FD114Y



Product Overview

FD114Y is the EPON ONU device. The FD114Y designed with one EPON port, four standard 10/100/1000 Base-TX Ethernet ports. FD114Y provides the key functionality of 802.3ah EPON ONU. By using the EPON technology, FD114Y provides the high-speed data channel through a single optical fiber with a rate of 1.25 Gbit/s on bidirectional network. In addition, It offers the customer with the guarantee of stable QOS, and the flexible bandwidth allocation of Ethernet and IP integrated service.

Function Features

- Compliant with IEEE802.3ah Standard
- Maximum distance:20km;Maximum splitting Ratio:1:64
- Support port-based rate limitation and bandwidth control
- Support data encryption
- Support Multicasting
- Support Port Isolation
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support Port-based VLAN and IEEE802.1Q VLAN
- Support performance statistics based on ports

- Support ACL achieve the purposes of access control
- Support various LLID configuration and single LLID configuration. Different user and different service could provide different QOS by means of different LLID channels
- Support software online upgrading
- EMS network management based on SNMP


Specification

Item	Parameters	Specification
Interface	PON Interface	One EPON port Meet 1000BASE-PX20+ standard Up to 1.25Gbps Upstream and Down-stream SC Connector Single-mode fiber, single-strand Maximum split ratio 1:64 Up to 20Km distance
	Ethernet Interface	Four 10/100/1000M auto-negotiation Full/Half-Duplex RJ45 type connector , Auto MDI/MDI-X Up to 100m distance
Performance Parameters	PON Optical Parameters	Wavelength: Upstream 1310nm, Downstream 1490nm Transmitter Optical Power: -1~4dBm Optical Receive Sensitivity: -27dBm Saturation Optical Power: -3dBm
	Data Transfer Parameters	Data Transfer Rate: Upstream 900Mbps; Downstream 950Mbps LAN Interface: 1000Mbps Packet Loss: 1×10^{-12} latency: <math>< 1.5\text{ms}</math>
	Business Capability	Layer 2 wire speed switching Support VLAN TAG/UNTAG, VLAN conversion Support Port-based speed limitation Support Priority classification Support storm control of broadcast
Network Management	Management Mode	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
	Function	Status monitor, Configuration management, Alarm management, Log management

Indicator	Indicator Description	PWR: Power up or down ACT: Optical Link Status REG: ONU registered SYS: System LAN: LAN Status
	Physical Features	
	Power Supply	220V/60V optional
	Power Consumption	<3W
	Dimension	190(L)×137(W)×98mm(H)
	Weight	<1.5kg
	Environment Attribute	Working Temperature: -10~65°C Storage Temperature: -40~85°C Working humidity: 10%~90%non-condensing Storage humidity: 10%~90% non-condensing

Applications

- ◇ Internet Access
- ◇ VOD
- ◇ IPTV
- ◇ CCTV video monitoring system

Order Information

Product	Item	Description
Outdoor Type ONU	FD114Y-220V	Built -in one ONU module, Four 10/100/1000M Ethernet Ports, one EPON Port, aluminum casing, 220VAC power supply